

## CLAIMS

1. An elevator destination floor display unit installed in a boarding area or in a passenger car of an elevator, characterized by comprising a display portion having a screen capable of selectively displaying destination floor representations related to all floors and a display control portion that arranges and displays in a matrix form, only destination floor representations of destination floors registered on the screen.

2. An elevator destination floor display unit according to Claim 1, characterized by comprising:

registered destination floor confirming means for confirming whether or not information on a newly registered destination floor is included in information on registered destination floors which is transmitted from an elevator control unit, and for confirming whether or not information on a newly de-registered destination floor is included in the information on the registered destination floors; and

destination floor display position calculating means for calculating, when information on a newly registered destination floor is included, display positions of the registered destination floors on the screen in accordance with a predetermined sequence, and for calculating, when information on a newly de-registered destination floor is included, display positions of destination

floor representations of registered destination floors other than the de-registered destination floor on the screen in accordance with a predetermined sequence so that a destination floor representation of the de-registered destination floor is deleted,

and characterized in that the display control portion displays the destination floor representations at the calculated display positions on the screen.

3. An elevator destination floor display unit according to Claim 2, characterized in that the destination floor display position calculating means calculates display positions of destination floor representations of the registered destination floors so that those destination floor representations are arranged in a lower floor to higher floor sequence or in a higher floor to lower floor sequence.

4. An elevator destination floor display unit according to Claim 2, characterized in that the destination floor display position calculating means calculates display positions of two adjacently displayed destination floor representations such that a gap therebetween differs depending on a distance between the two destination floors related to the two destination floor representations, or calculates display positions of the two destination floor representations so that a representation indicating a degree of farness or closeness is inserted between

the two destination floor representations.

5. An elevator destination floor display unit according to Claim 1, characterized by comprising:

a touch panel sensor that is disposed in front of a screen of the display portion and serves, when touched, to select a destination floor representation superposed on a touched position on the screen; and

registration cancellation request means for requesting the elevator control unit to cancel registration of a registered destination floor relating to a destination floor representation selected by touching the touch panel sensor.

6. An elevator destination floor display unit according to Claim 5, characterized in that the registration cancellation request means requests the elevator control unit to cancel a registration of a registered destination floor relating to a destination floor representation selected by intermittently touching the touch panel sensor twice.

7. An elevator destination floor display unit according to Claim 1, characterized in that the display portion comprises a registration display portion that displays information related to a registered floor which is inputted to register a destination floor.